

# Converting Colors

$Yxy(61.0161, 0.3558, 0.5418)$

Have a look what the booklet for  
Yxy(61.0161, 0.3558, 0.5418)  
contains.

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**Color**

**Yxy(61.0167, 0.3562, 0.5417)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96E226
RGB	150, 226, 38
RGB Percent	59%, 89%, 15%
CMY	0.4118, 0.1137, 0.8508
CMYK	0.34, 0.00, 0.83, 0.11
HSL	84°, 76%, 52%
HSV	84°, 83%, 89%
XYZ	40.1221, 61.0167, 11.5005
YIQ	181.8440, 15.0520, -74.5800

# Conversions

## Conversions Part 2

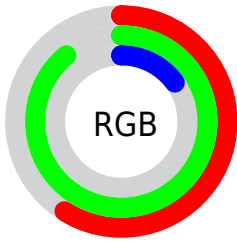
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	38, 226, 114
Decimal	9888294
CIE <sub>Lab</sub>	82.39, -49.01, 75.09
CIE <sub>LCh</sub>	82, 89.672, 123.130
Yxy	61.0167, 0.3562, 0.5417
Android (android.graphics.Color)	4288078374 (0xFF96E226)
YUV	181.8440, -70.9151, -27.9272
Hunter-Lab	78.1132, -45.0132, 45.9501

# Details

The Yxy color **61.0167, 0.3562, 0.5417** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **10.4643, 0.2042, 0.1000**, and the grayscale version is **47.0798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0346, 0.3657, 0.4881**, and **30.9736, 0.3419, 0.5667** is the 20% darker color. If you saturate the color by 10%, you get **60.0813, 0.3529, 0.5544**, and if you desaturate by 10%, it is **62.1136, 0.3571, 0.5238**.

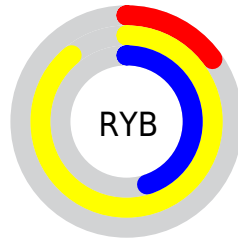
# Distribution



Red (59%)

Green (89%)

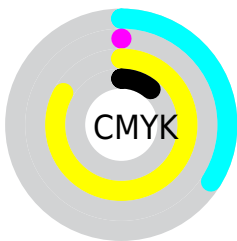
Blue (15%)



Red (15%)

Yellow (89%)

Blue (45%)

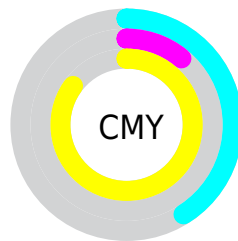


Cyan (34%)

Magenta (0%)

Yellow (83%)

Black (11%)



Cyan (41%)

Magenta (11%)


Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.0167, 0.3562, 0.5417 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 61.0167, 0.3562, 0.5417 by changing the saturation by 10% instead.





 61.0167, 0.3562,  
0.5417

 61.0167, 0.3562,  
0.5417


428.3352, 0.3454,  
0.4380


 44.2386, 0.3551,  
0.5647

 106.3031, 0.3551,  
0.5058

 30.8582, 0.3516,  
0.5919


 135.5803, 0.3539,  
0.4917

 20.4909, 0.3436,  
0.6238


 169.7926, 0.3524,  
0.4795

 12.7524, 0.3317,  
0.6683

 209.3244, 0.3509,  
0.4690

 7.2582, 0.2985,  
0.7015

 254.5602, 0.3495,  
0.4598

 3.6241, 0.2489,  
0.7511

 305.8844, 0.3480,

 1.4656, 0.0681,

0.4516

0.9319

363.6812, 0.3467,  
0.4444

■ 0.2643, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 61.0167, 0.3562,  
0.5417

■ 61.0167, 0.3562,  
0.5417

■ 60.0813, 0.3529,  
0.5544


■ 62.1136, 0.3571,  
0.5238


■ 59.5135, 0.3497,  
0.5606


■ 63.3793, 0.3557,  
0.5012


■ 64.8295, 0.3520,  
0.4752


■ 66.4755, 0.3464,  
0.4471

 68.3276, 0.3396,  
0.4182

 70.3951, 0.3318,  
0.3897

 72.6867, 0.3236,  
0.3624

 75.2107, 0.3153,  
0.3367

 77.9747, 0.3072,  
0.3130

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.0167, 0.4516, 0.4920



61.0167, 0.3562, 0.5417



61.0167, 0.2554, 0.5031

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



61.0167, 0.3562, 0.5417



61.0167, 0.1359, 0.1933



61.0167, 0.4581, 0.2713

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



61.0167, 0.3562, 0.5417



10.4643, 0.2042, 0.1000

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



61.0167, 0.3420, 0.2143



61.0167, 0.3562, 0.5417



61.0167, 0.1677, 0.1704

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



61.0167, 0.3562, 0.5417



61.0167, 0.1372, 0.2590



61.0167, 0.2361, 0.1789



61.0167, 0.5270, 0.3400



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61.0167, 0.3562, 0.5417



61.0167, 0.1983, 0.4230



61.0167, 0.2361, 0.1789



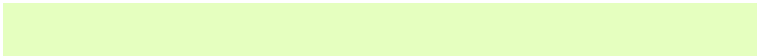
61.0167, 0.4217, 0.2505

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



61.0194, 0.3562, 0.5417



91.9857, 0.3334, 0.3954



28.1736, 0.5294, 0.3962



19.4803, 0.3362, 0.4054



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.0194, 0.3562, 0.5417



78.1812, 0.3493, 0.5609



55.4026, 0.3057, 0.5794



15.7387, 0.3205, 0.3526



34.0209, 0.3507, 0.5597



2.4100, 0.3611, 0.5515



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



10.4643, 0.2042, 0.1000



10.1123, 0.1833, 0.0783



20.1773, 0.2998, 0.1504



13.5125, 0.3043, 0.3052



4.4787, 0.1855, 0.0796



0.3617, 0.2029, 0.0892



# Previews

## White Background



This preview shows how the Yxy color 61.0167, 0.3562, 0.5417 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

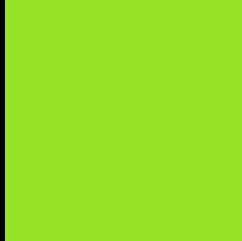
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.0167, 0.3562, 0.5417 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.0167, 0.3562, 0.5417**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.0167, 0.3562, 0.5417.



This preview shows how white text looks on a background with the Yxy color 61.0167, 0.3562, 0.5417.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

61.0167, 0.3562, 0.5417

### Protanopia

60.1130, 0.4370, 0.4821

### Deuteranopia

60.2252, 0.4551, 0.4458



## Tritanopia

60.5235, 0.2760, 0.3085

# Trichromacy



**Original Color**

61.0167, 0.3562, 0.5417

**Protanomaly**

59.6200, 0.4060, 0.5051

**Deuteranomaly**

59.1702, 0.4181, 0.4816

**Tritanomaly**

59.5797, 0.3141, 0.4047

# Monochromacy



**Original Color**

61.0167, 0.3562, 0.5417

**Achromatopsia**

46.7784, 0.3127, 0.3290

**Achromatomaly**

50.5459, 0.3398, 0.4210

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.0167, 0.3562, 0.5417 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(150, 226, 38)` looks like.

```
.text, #text, p{  
    color:rgb(150, 226, 38)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(150, 226, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 226, 38) }
```

## Border

The CSS property to change the border of an element to Yxy 61.0167, 0.3562, 0.5417 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(150, 226, 38) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(150, 226, 38) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(150, 226, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 226, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 226, 38);  
box-shadow:4px 4px 4px 4px rgb(150, 226,  
38) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.0167, 0.3562, 0.5417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 226, 38) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(150,  
226, 38) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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